



CATALOGUE

SSL Connector

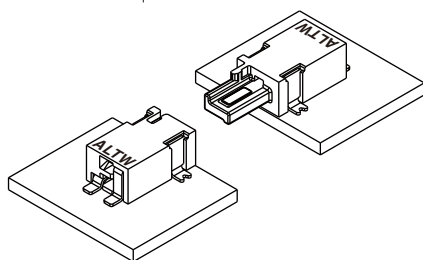


Range Overview

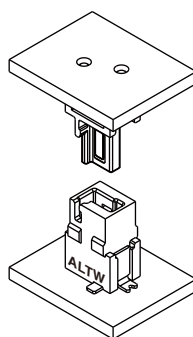
SSL 1.1

Board to Board

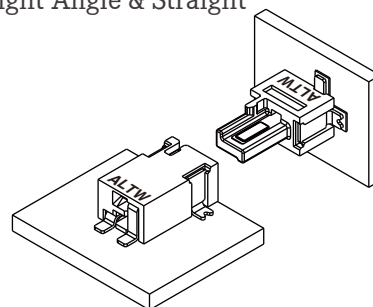
Right Angle



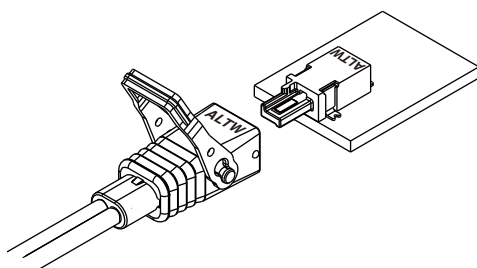
Straight



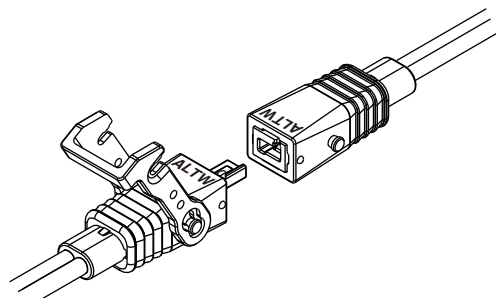
Right Angle & Straight



Board to Wire

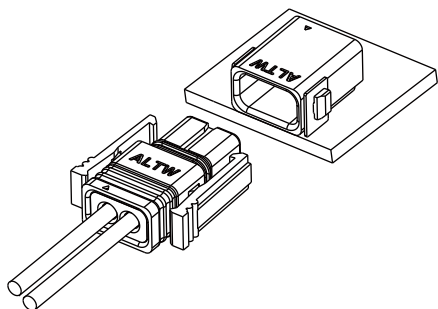


Wire to Wire

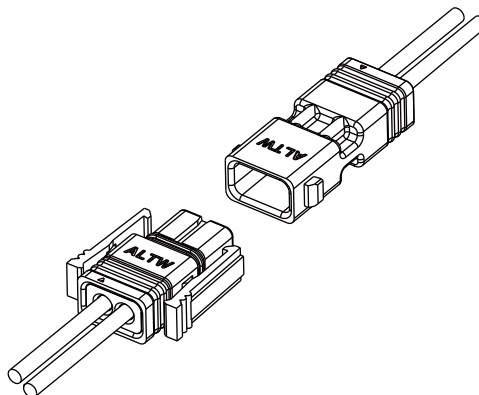


SSL 1.2 (IP 68)

Wire to Board

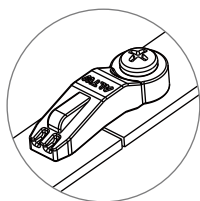


Wire to Wire



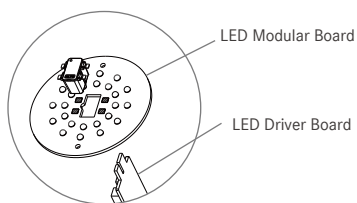
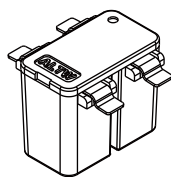
SSL 1.3 The Bridge

Jumper



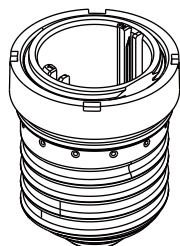
SSL 2.1 Inverted Thru Board

Receptacle



SSL 2.3 EZ-B for E26/27 Bulb

Screw Base

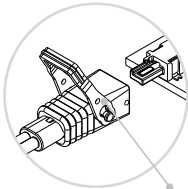
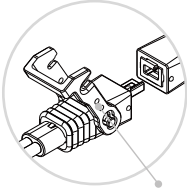


【Note】 Design and specification are subject to change without notice.

Specification | SSL 1.1

Identifications	SSL 1.1 DC Connector
Description	Board to Board Board to Wire Wire to Wire
Current Rating / Data	3A per pin (2, 4 & 6 pins available)
Voltage Rating	Max100 VAC / VDC
Material	Contact: Copper Alloy, Copper Alloy, Gold over Nickel Plated Housing: Thermoplastic, UL 94V-0 Rated Hood: Thermoplastic, UL 94V-0 Rated Lock: Nylon (PA66), UL 94V-0 Rated SR: PP, UL 94V-0 Rated UL recognized wire & flat cable available
Temperature Range	PCB Mount: -40°C ~ 105°C Wire Assemblies: -40°C ~ 100°C
Contact Resistance	$\leq 20\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$ at 250Vdc
Durability	100 cycles
Breakdown Voltage	1200 Vac
More to know	UL1977 / cUL / CSA C22.2

Ordering Information | SSL 1.1

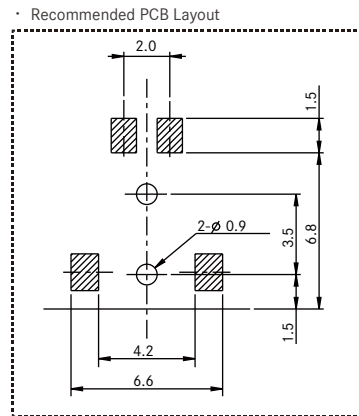
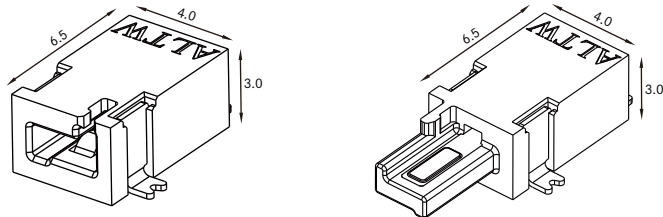
1	2	3	4	5	6	7	8
Connector Series (11) SSL 1.1 None Waterproof Series							
Connector (Housing) Gender (J) Jack (P) Plug							
Number of Contacts 2,4, 6 contacts e.g. (2) = 2 Contacts							
Connector Type > For PCB Mount Type (A) SMT Board Straight with Post (C) SMT Board Right Angle with Post (D) SMT Board Right Angle without Post		> For Wire Assembly (L) Wire Assembly, Straight, With SR					
Wires Assembly Options > For PCB Mount Type (00) For PCB Mount Type		> For Wire Assembly (2J) 2-End Jack Connector (2P) 2-End Plug Connector (JP) End 1: Jack, End 2: Plug, (JO) End 1: Jack, End 2: Open (PO) End 1: Plug, End 2: Open					
Lock Option (O) None (Without Lock) (B) W2B Lock in End 1 (W) W2W Lock in End 1 (D) With Two W2B Lock		(T) With Two W2W Lock (S) W2B Lock in End 1, W2W Lock in End 2					
		 		Wire to Board Lock (W2B Lock) Wire to Wire Lock (W2W Lock)			
Wire Size > For PCB Mount Type (00) Applicable for SMT Board		> For Wire Assembly (22) 22 AWG					
Wire Assembly / Wires Type > For PCB Mount Type (001), (002)..... Without Wire : Different Versions		> For Wire Assembly (□)+(■) : Wire Type + Wire Length e.g. (A01) = UL recognized wire + 10cm (□) : Wire Type (A) UL recognized wire (D) UL recognized flat cable		(■) : Length From 100mm~9900mm e.g. (01) = 100mm, (02) = 200mm, (03) = 300mm *Every 100mm as per extension			

【Note】 Design and specification are subject to change without notice.

Physical Dimension | SSL 1.1

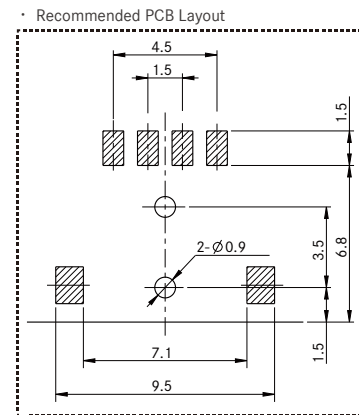
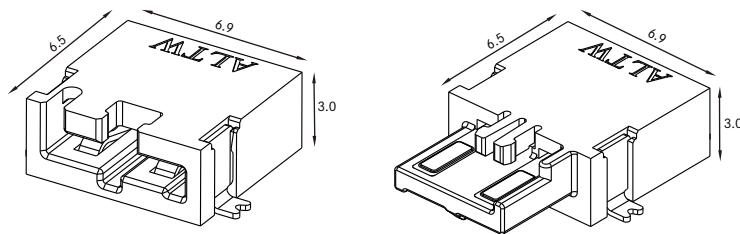
⌵ PCB Mount > Right Angle

>> 2P



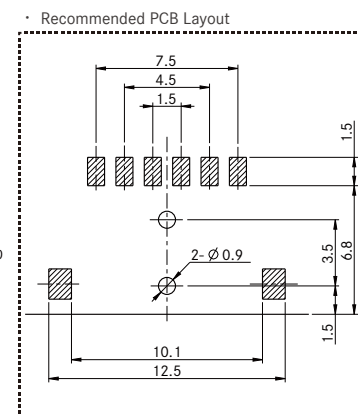
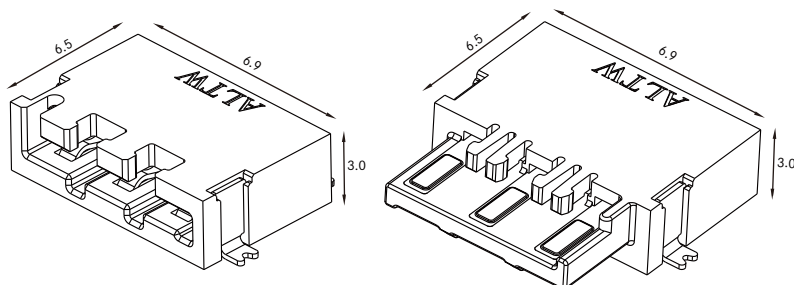
Unit: mm

>> 4P



Unit: mm

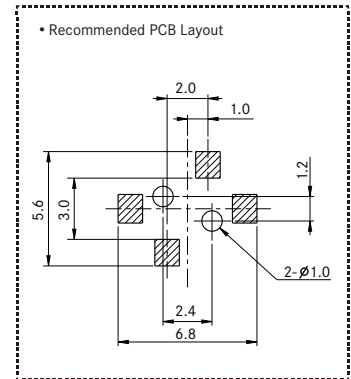
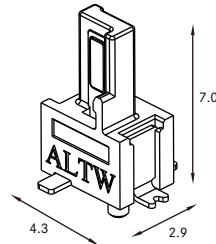
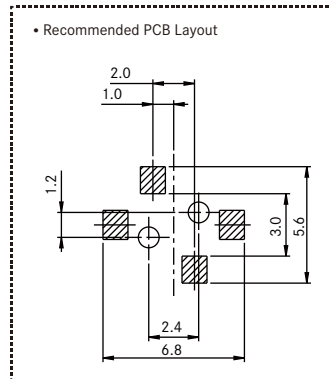
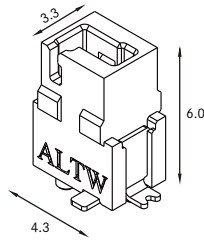
>> 6P



Unit: mm

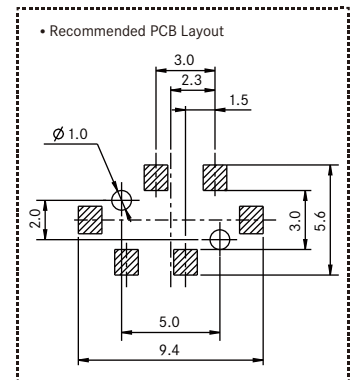
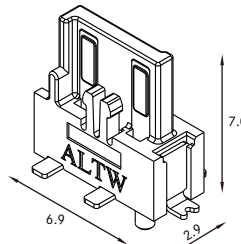
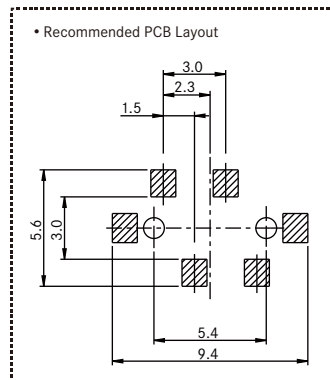
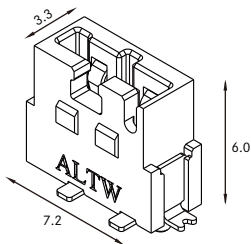
▮ PCB Mount > Straight

>> 2P



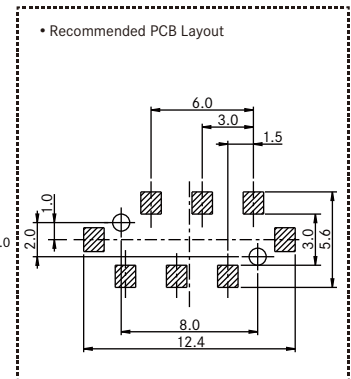
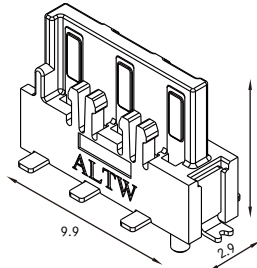
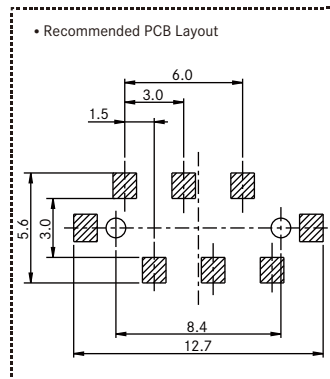
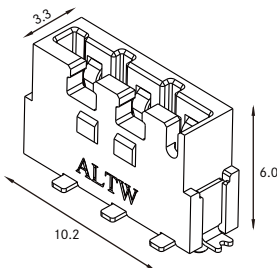
Unit: mm

>> 4P



Unit: mm

>> 6P

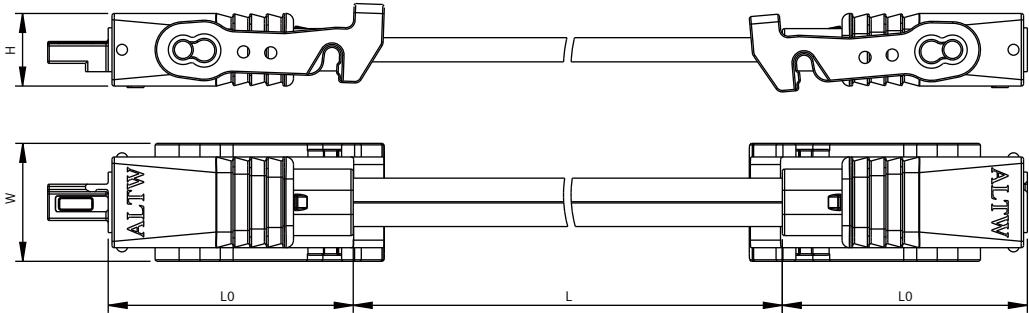


Unit: mm

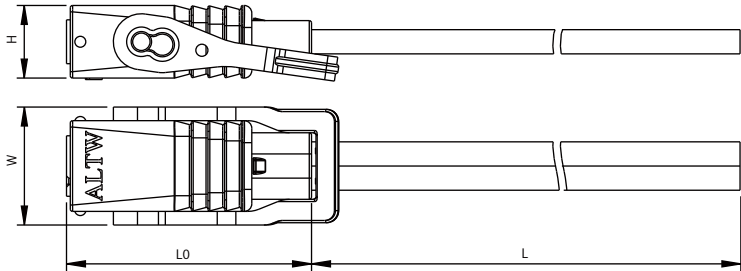
【Note】 Design and specification are subject to change without notice.

Wire Assembly

>> Flat Cable



>> Wire

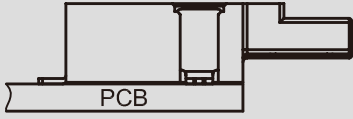
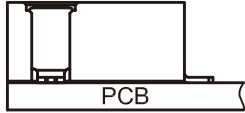


	L0	H	W	Cable Length (L)
2P	18.2	4.8	7.8	Various cable length available upon request
4P	18.2	4.8	11.2	
6P	18.2	4.8	14.2	

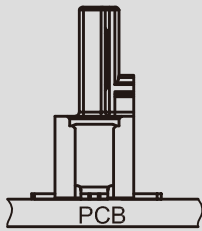
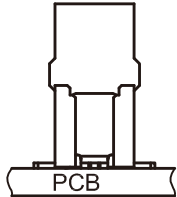
Unit: mm

Find Our Standard Products | SSL 1.1

Board to Board > Right Angle

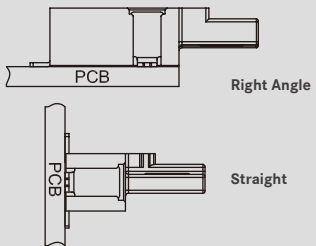
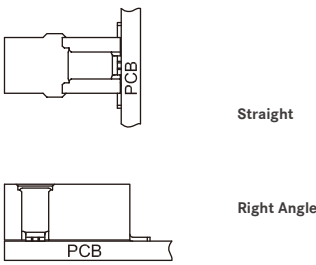
	 ④ PCB Mount (Right Angle) ; With post (C) or without post (D)	 ④ PCB Mount (Right Angle) ; With post (C) or without post (D)
	Plug	Jack
2P	SSL11-P 2 ④ 00-000001	SSL11-J 2 ④ 00-000001
4P	SSL11-P 4 ④ 00-000001	SSL11-J 4 ④ 00-000001
6P	SSL11-P 6 ④ 00-000001	SSL11-J 6 ④ 00-000001

Board to Board > Straight

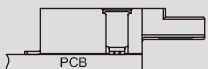
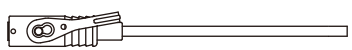
		
	Plug	Jack
2P	SSL11-P2A00-000001	SSL11-J2A00-000001
4P	SSL11-P4A00-000001	SSL11-J4A00-000001
6P	SSL11-P6A00-000001	SSL11-J6A00-000001

【Note】 Design and specification are subject to change without notice.

Board to Board > Right Angle & Straight

 4 PCB Mount (Right Angle) ; With post (C) or without post (D) PCB Mount (Straight) : With post (A)  4 PCB Mount (Right Angle) ; With post (C) or without post (D) PCB Mount (Straight) : With post (A)				
	Plug	Jack		
2P	SSL11-P 2 4 00-000001	SSL11-J 2 4 00-000001		
4P	SSL11-P 4 4 00-000001	SSL11-J 4 4 00-000001		
6P	SSL11-P 6 4 00-000001	SSL11-J 6 4 00-000001		

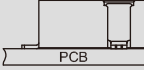
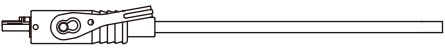
Board to Wire

 4 PCB Mount (Right Angle) ; With post (C) or without post (D) 					
	Mount Type		End 1 + End 2	Cable Type	Part Number
2P	Right Angle Plug	SSL11-P2 4 00-000001	Jack + Open End	Wire	SSL11-J2LJ0-B22A XX *
4P		SSL11-P4 4 00-000001			SSL11-J4LJ0-B22A XX *
6P		SSL11-P6 4 00-000001			SSL11-J6LJ0-B22A XX *

*~~XX~~: Please choose the cable length from 100mm ~ 9900mm
e.g. (01) = 100mm, (02) = 200mm, (03) = 300mm

*Every 100mm as per extension

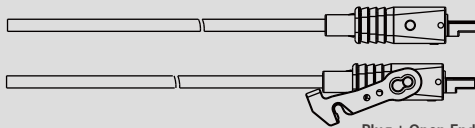
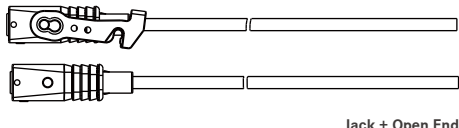
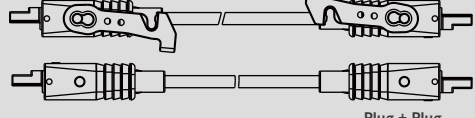
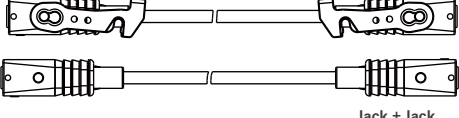
Board to Wire

		 PCB			
		4 PCB Mount (Right Angle) ; With post (C) or without post (D)			
	Mount Type	Jack	End 1 + End 2	Cable Type	Part Number
2P	Right Angle Jack	SSL11-J2 4 00-000001	Plug + Open End	Wire	SSL11-P2LP0-B22A XX *
4P		SSL11-J4 4 00-000001			SSL11-P4LP0-B22A XX *
6P		SSL11-J6 4 00-000001			SSL11-P6LP0-B22A XX *

*~~XX~~: Please choose the cable length from 100mm ~ 9900mm
e.g. (01) = 100mm, (02) = 200mm, (03) = 300mm

*Every 100mm as per extension

Wire to Wire

		 Plug + Open End			 Jack + Open End		
		 Plug + Jack			 Jack + Plug		
		 Plug + Plug			 Jack + Jack		
Cable Type	Contacts 3	End 1 + End 2	Lock	Part Number	End 1 + End 2	Lock	Part Number
Wire	2, 4, 6	Plug + Open End	No Lock	SSL 11-P 3 LP0-022A XX *	Jack + Open End	One Lock	SSL 11-J 3 LJ0-022A XX *
			One Lock	SSL 11-P 3 LP0-W22A XX *		No Lock	SSL 11-J 3 LJ0-022A XX *
Flat Cable		Plug + Jack	Two Locks	SSL 11-P 3 LJP-T22D XX *	Jack + Plug	No Lock	SSL 11-P 3 LJP-022D XX *
		Plug + Plug	Two Locks	SSL 11-P 3 L2P-T22D XX *	Jack + Plug	No Lock	SSL 11-J 3 L2J-022D XX *
No Lock	SSL 11-P 3 L2P-022D XX *		No Lock	SSL 11-J 3 L2J-T22D XX *			

【Note】 Design and specification are subject to change without notice.

Specification | SSL 1.2

Identifications	SSL 1.2 Connector, IP 68 Waterproof Rated
Description	Board to Wire Wire to Wire
Current Rating / Data	5A per pin (2 & 4 pins available; 6 pins upon request)
Material	Terminal: Copper Alloy, Gold over Nickel Plated Housing: Thermoplastic, UL94V-0 Rated Seal&Gasket: Silicone
Waterproof Rating	IP68, 1M depth of water in 24 hours
Temperature Range	-40°C ~ 105°C
Contact Resistance	$\leq 20\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$ at 500Vdc
Durability	30 cycles
Breakdown Voltage	1500Vac
More to know	UL1977 / cUL / CSA C22.2

Ordering Information | SSL 1.2

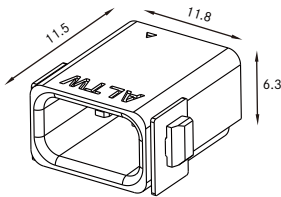
Connector Series		1	2	3	4	5	6	7	8
(12) SSL 1.2 IP 68 Waterproof Series									
Connector (Housing) Gender									
(J) Jack	(P) Plug								
Number of Contacts									
2, 4 contacts									
e.g. (2) = 2 Contacts									
Connector Type									
> For PCB Mount Type									
(D) SMT Board Right Angle without Post									
> For Cable									
(L) Cable Assemblies, Straight									
(F) Field Installable									
Wires Assembly Options									
> For PCB Mount Type									
(00) Applicable for PCB Mount Type									
> For Cable									
(J0) End 1: Jack, End 2: Open									
(P0) End 1: Plug, End 2: Open									
(2J) 2-Ends Jack Connector (Upon Request)									
(2P) 2-Ends Plug Connector (Upon Request)									
(JP) End 1: Jack, End 2: Plug (Upon Request)									
Latch Option									
(0) None Latch									
(M) With Latch									
Wire Size									
> For PCB Mount Type									
(00) Applicable for PCB Mount Type									
> For Cable									
(20) 20 AWG									
Cable / Wires Type									
> For PCB Mount Type									
(001), (002).....									
Without Cable : Different Versions									
> For Cable									
(□)+(■) : Wire Type + Wire Length									
e.g. (A01) = UL1430 Wire + 100mm									
(□): Wire Type									
(A) UL 1430 Wire									
(■): Length									
From 100mm~9900mm									
EX. (01) = 100mm, (02) = 200mm, (03) = 300mm...									
*Every 100mm as per extension									

【Note】 Design and specification are subject to change without notice.

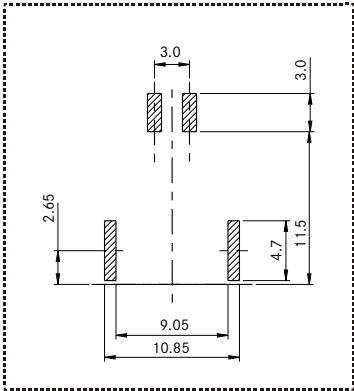
Physical Dimension | SSL 1.2

└ SMT Receptacle

>> 2P

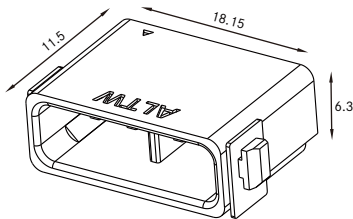


• Recommended PCB Layout

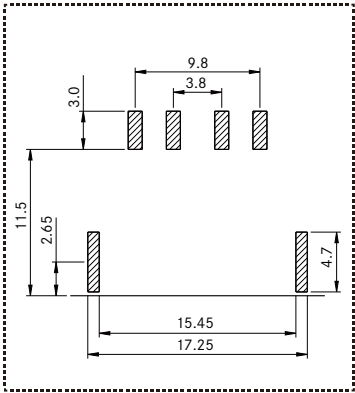


Unit: mm

>> 2P

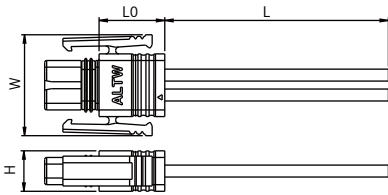
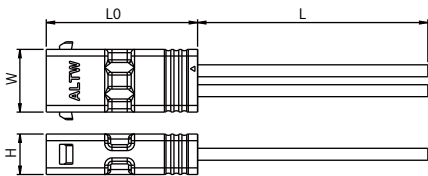


• Recommended PCB Layout



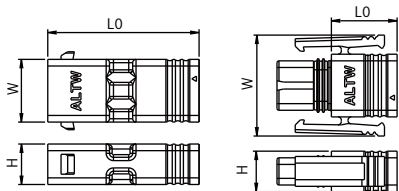
Unit: mm

└ Cable Assemblies & Field Installable



* Various cable length available upon request.

└ Cable Assemblies & Field Installable

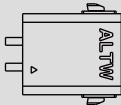
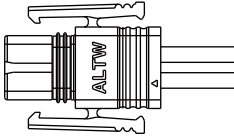
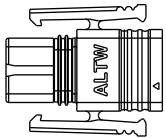
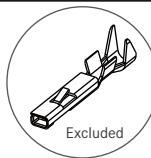


	Gender	L0	H	W
2P	Jack	22.8	6.1	11.8
	Plug	18.1	6.1	15.2
4P	Jack	22.8	6.1	18.15
	Plug	9.9	6.1	21.2

Unit: mm

Find Our Standard Products | SSL 1.2

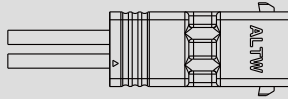
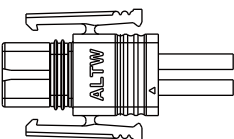
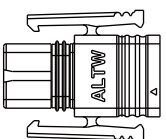
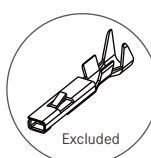
Board to Wire

		 Cable Assemblies	 Field Installable	 Excluded BBA00010666
Jack		Plug		
2P	SSL 12-J2D00-000001	SSL 12-P2LP0-M20A <u>XX</u> *	SSL 12-P2FP0-M00001	
4P	SSL 12-J4D00-000001	SSL 12-P4LP0-M20A <u>XX</u> *	SSL 12-P4FP0-M00001	

*XX: Please choose the cable length from 100mm ~ 9900mm
e.g. (01) = 100mm, (02) = 200mm, (03) = 300mm

*Every 100mm as per extension

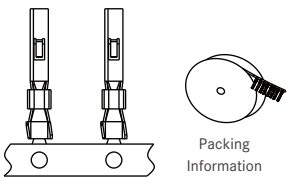
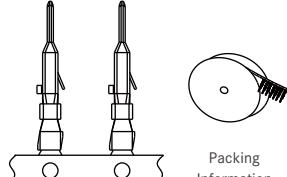
Wire to Wire

 Cable Assemblies		 Cable Assemblies	 Field Installable	 Excluded BBA00010666
 Excluded BBA00010667				
Jack		Plug		
2P	SSL 12-J2LJ0-020A <u>XX</u> *	SSL 12-P2LP0-M20A <u>XX</u> *	SSL 12-P2FP0-M00001	
	SSL 12-J2FJ0-000001			
4P	SSL 12-J4LJ0-020A <u>XX</u> *	SSL 12-P4LP0-M20A <u>XX</u> *	SSL 12-P4FP0-M00001	
	SSL 12-J4FJ0-000001			

*XX: Please choose the cable length from 100mm ~ 9900mm
e.g. (01) = 100mm, (02) = 200mm, (03) = 300mm

*Every 100mm as per extension

Accessories > Contacts

 Packing Information		 Packing Information
Part Number	BBA00010666	BBA00010667

【Note】 Design and specification are subject to change without notice.

Specification | SSL 1.3

Identifications	SSL 1.3 The Bridge
Description	Board to Board Jumper
Number of Position	1P
Current Rating / Data	5A
Voltage Rating	500Vac/dc
Material	Terminal: Copper Alloy, Gold over Nickel Plated Housing: Thermoplastic, UL94V-0 Rated
Temperature Range	-40°C ~ 105°C
Contact Resistance	≤ 20mΩ
Insulation Resistance	≥ 1000MΩ at 500VDC
Durability	10 cycles
Breakdown Voltage	2000Vac

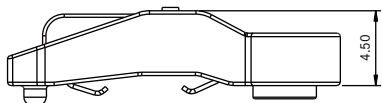
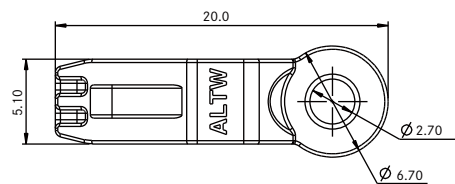
Ordering Information | SSL 1.3

Connector Series (13) SSL 1.3 The Bridge Series	SSL1.3-D-1-S-00-0-00-001
Connector (Housing) Gender (D) no gender	
Number of Contacts 1 contacts e.g. (1) = 1 Contacts	
Connector Type > For PCB Mount Type (S) Screw Mount Type	
Wires Assembly Options > For PCB Mount Type (00) Applicable for PCB Mount Type	
Assembly Option (0) Applicable for PCB Mount Type	
Wire Size > For PCB Mount Type (00) Applicable for PCB Mount Type	

【Note】 Design and specification are subject to change without notice.

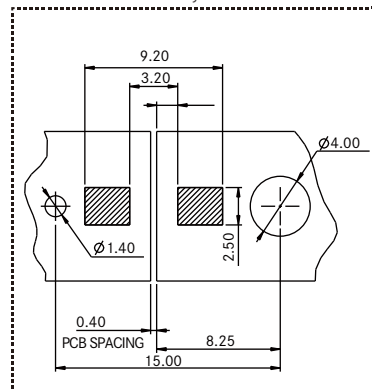
Physical Dimension | SSL 1.3

▮ SMT Receptacle



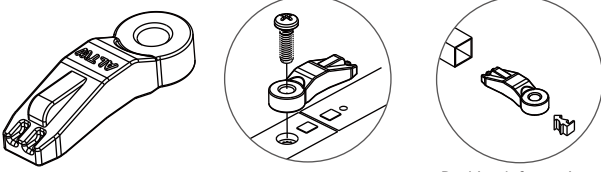
Unit: mm

• Recommended PCB Layout



Find Our Standard Products | SSL 1.3

SSL 1.3 The Bridge

	
Part Number	SSL13-D1S00-000001

【Note】 Design and specification are subject to change without notice.

Specification | SSL 2.1

Identifications	SSL2.1 Inverted Thru Board
Description	Board to Board
Number of Position	2P
Current Rating / Data	12A
Voltage Rating	600Vac/dc
Material	Terminal: Copper Alloy, Gold over Nickel Plated Housing & Cover: Thermoplastic, UL94V-0 Rated
Temperature Range	-40°C ~ 105°C
Contact Resistance	$\leq 20\text{m}\Omega$
Insulation Resistance	$\geq 1000\text{M}\Omega$ at 500VDC
Durability	20 cycles
Breakdown Voltage	2200Vac
More to know	UL1977 / cUL / CSA C22.2 / RoHS

Ordering Information | SSL 2.1

Connector Series

SSL2.1-J-2-E-00-0-00-001

(21) SSL 2.1 Inverted Thru Hole

Connector (Housing) Gender

(J) Jack

Number of Contacts

2 contacts

e.g. (2) = 2 Contacts

Connector Type

> For PCB Mount Type

(E) SMT Inverted 180 degree type

Wires Assembly Options

> For PCB Mount Type

(00) Applicable for PCB Mount Type

Assembly Option

(0) Applicable for PCB Mount Type

Wire Size

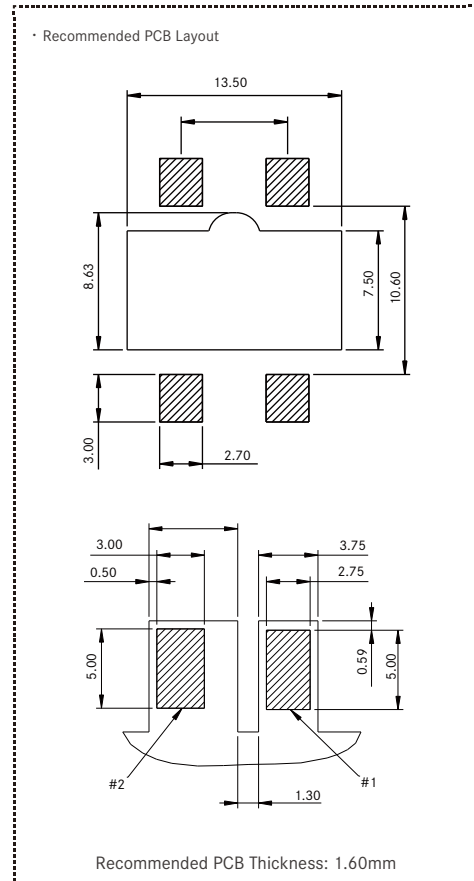
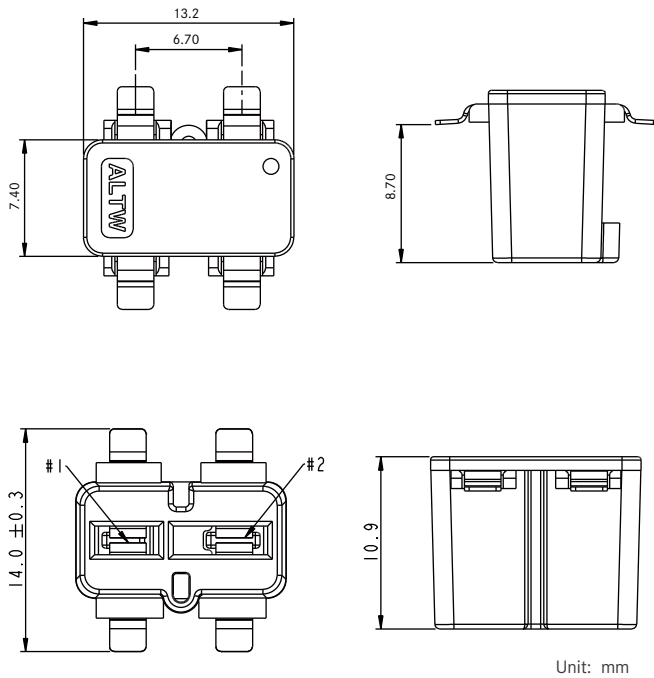
> For PCB Mount Type

(00) Applicable for PCB Mount Type

【Note】 Design and specification are subject to change without notice.

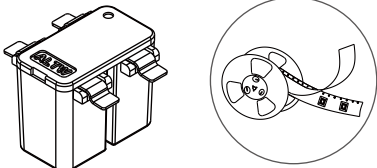
Physical Dimension | SSL 2.1

▮ SMT Receptacle



Find Our Standard Products | SSL 2.1

SSL 2.1 Inverted Thru Board

	 Packing Information
Part Number	SSL21-J2E00-000001

【Note】 Design and specification are subject to change without notice.

Specification | SSL 2.3

Identifications	SSL2.3 EZ-B
Description	Screw Base for E26/27 Bulb
Current Rating / Data	3A
Voltage Rating	500Vac/dc
Material	Terminal: Copper Alloy, Gold Plated, Nickel-under Plated All over Housing & Cover: Thermoplastic, UL94V-0 Rated
Temperature Range	-40°C ~ 105°C
Contact Resistance	≤ 20mΩ
Insulation Resistance	≥ 1000MΩ at 500VDC
Durability	100 cycles
Breakdown Voltage	2000Vac
More to know	UL recognized materials

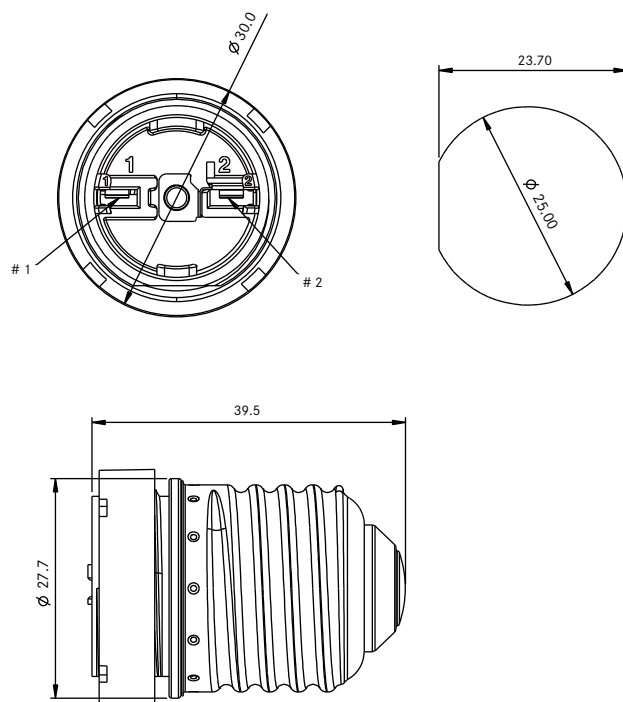
Ordering Information | SSL 2.3

Connector Series (23) SSL 2.3 EZ-Base	SSL2.3 – D – 2 – S – 00 – 0 – 00 – 001
Connector (Housing) Gender (D) No Gender	
Number of Contacts 2 contacts e.g. (2) = 2 Contacts	
Connector Type > For PCB Mount Type (S) Screw Mount Type	
Wires Assembly Options > For PCB Mount Type (00) Applicable for PCB Mount Type	
Assembly Option (0) Applicable for PCB Mount Type	
Wire Size > For PCB Mount Type (00) Applicable for PCB Mount Type	

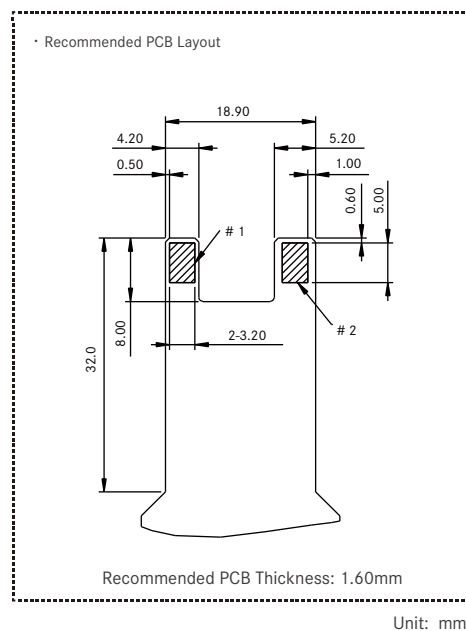
【Note】 Design and specification are subject to change without notice.

Physical Dimension | SSL 2.3

└ Screw Base

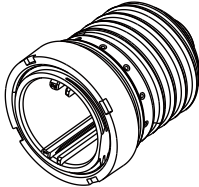


Unit: mm



Find Our Standard Products | SSL 2.3

SSL 2.3 EZ-B

	  Packing Information
Part Number	SSL23-D2S00-000001

【Note】 Design and specification are subject to change without notice.

Amphenol LTW Technology Co., Ltd.

5F-3, No.51, Sec.4, Zhongyang Rd., Tucheng Dist., New Taipei City 236, Taiwan
Telephone: +886-2-77416888 Fax: +886-2-77416999
www.amphenolltw.com

Kunshan Factory

No. 62, DaTong Road, Development Zone, Kunshan City, JiangSu Province, 215333 China
Telephone: +86-512-5761-0501
Fax: : +86-512-5761-0515

For further information, please contact :

Sales & Marketing Department | Email : sales@ltw-tech.com